AMENDMENTS TO THE CLAIMS

The listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

1.   (Currently Amended)   A streaming system ~~comprising~~ having a server which transmits a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least a session layer through a network and a client which receives the media stream from the server through the network, the server comprising:

a storer ~~storing unit~~ operable to store management information for managing the media stream in a session description protocol of the session layer of the media stream; and

a transmitter ~~transmitting unit~~ operable to transmit the session description protocol in which the management information is stored to the client in the session layer of the media stream, and

the client comprising:

a receiver ~~receiving unit~~ operable to receive the session description protocol in which the management information is stored from the server;

an extractor ~~extracting unit~~ operable to extract the management information from the received session description protocol; and

a manager ~~managing unit~~ operable to manage the media stream on the basis of the extracted management information,

wherein the receiver is a non-MPEG-4 receiver that can use MPEG-4 content information based on the management information extracted from the received session description protocol.

2. (Currently Amended) The streaming system according to claim 1, wherein

the management information is an IPMP tool list or an IPMP descriptor related to an IPMP tool used in the protection of the media stream, and

the manager ~~managing unit~~ specifies the IPMP tool by the extracted IPMP tool list or the IPMP descriptor to manage the media stream.

3. (Original) The streaming system according to claim 1, wherein the management information is right information of the media stream.

4. (Previously Presented) The streaming system according to claim 1, wherein

the management information is stored in a session level attribute related to all media streams in the same session of the session description protocol.

5. (Previously Presented) The streaming system according to claim 1, wherein

the management information is stored in a media level attribute related to associated media streams in the session description protocol.

6. (Currently Amended) A server which transmits a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least a session layer to a client through a network, comprising:

a storer ~~storing unit~~ operable to store management information for managing the media stream in a session description protocol of the session layer of the media stream; and

a <u>transmitter</u> ~~transmitting unit~~ operable to transmit the session description protocol in which the management information is stored to the client in the session layer of the media stream<u>,</u>

<u>wherein a non-MPEG-4 client receiver can use MPEG-4 content information based on the management information stored in the transmitted session description protocol.</u>

7. (Original) The server according to claim 6, wherein

the management information is an IPMP tool list or an IPMP descriptor related to an IPMP tool used in protection of the media stream.

8. (Original) The server according to claim 6, wherein

the management information is right information of the media stream.

9. (Previously Presented) The server according to claim 6, wherein

the management information is stored in a session level attribute related to all media streams in the same session of the session description protocol.

10. (Previously Presented) The server according to claim 6, wherein

the management information is stored in a media level attribute related to associated media streams in the session description protocol.

11. (Currently Amended) A client which receives a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least a session layer from a server through a network, comprising:

a receiver receiving unit operable to receive a session description protocol in which management information for managing the media stream is stored from the server;

an extractor extracting unit operable to extract the management information from the received session description protocol; and

a manager managing unit operable to manage the media stream on the basis of the extracted management information,

wherein the receiver is a non-MPEG-4 receiver that can use MPEG-4 content information based on the management information extracted from the received session description protocol.

12. (Original) The client according to claim 11, wherein

the management information is an IPMP tool list or an IPMP descriptor related to an IPMP tool used in protection of the media stream, and

the manager managing unit specifies an IPMP tool used in protection of the media stream by the extracted IPMP tool list or the IPMP descriptor to manage the media stream.

13. (Original) The client according to claim 11, wherein

the management information is right information of the media stream.

14. (Previously Presented) The client according to claim 11, wherein

the management information is stored in a session level attribute related to all media streams in the same session of the session description protocol.

15. (Previously Presented) The client according to claim 11, wherein

the management information is stored in a media level attribute related to associated media streams in the session description protocol.

16. (Currently Amended) A transmitting method which transmits a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least session layer to a client through a network, comprising:

storing management information for managing the media stream in a session description protocol of the session layer of the media stream; and

transmitting the session description protocol in which the management information is stored to the client in the session layer of the media stream,

wherein a non-MPEG-4 receiver can use MPEG-4 content information based on the management information stored in the received session description protocol.

17. (Original) The transmitting method according to claim 16, wherein

the management information is an IPMP tool list or an IPMP descriptor related to an IPMP tool used in protection of the media stream.

18. (Original) The transmitting method according to claim 16, wherein

the management information is right information of the media stream.

19. (Previously Presented) The transmitting method according to claim 16 , wherein

the management information is stored in a session level attribute related to all media

streams in the same session of the session description protocol.

20. (Previously Presented) The transmitting method according to claim 16, wherein

the management information is stored in a media level attribute related to associated

media streams in the session description protocol.

21. (Canceled)

22. (Canceled)

23. (Currently Amended) A receiving method which receives a media stream having a

layer structure, with each layer having a protocol that represents a content and format of

information contained therein, including at least session layer from a server through a network,

comprising:

receiving a session description protocol in which management information for managing

the media stream is stored from the server;

extracting the management information from the received session description protocol;

and

managing the media stream on the basis of the extracted management information,

wherein a non-MPEG-4 receiver can use MPEG-4 content information based on the management information extracted from the received session description protocol.

24. (Currently Amended) The receiving method according to claim 23, wherein

the management information is an IPMP tool list or an IPMP descriptor related to an IPMP tool of the media stream, and

in the course of ~~the step of~~ managing the media stream of the client, specifying an IPMP tool used in the protection of the media stream by the extracted IPMP tool list or the IPMP descriptor to manage the media stream.

25. (Original) The receiving method according to claim 23, wherein

the management information is right information of the media stream.

26. (Previously Presented) The receiving method according to claim 23, wherein

the management information is stored in a session level attribute related to all media streams in the same session of the session description protocol.

27. (Previously Presented) The receiving method according to claim 23, wherein

the management information is stored in a media level attribute related to associated media streams in the session description protocol.

28. (Canceled)

29. (Canceled)

30. (Currently Amended) A media stream transmitted and received from a server to a client through a network and having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least a session layer, wherein

management information for managing the media stream is stored in a session description protocol of the session layer, and

a non-MPEG-4 receiver can use MPEG-4 content information based on the management information stored in the session description protocol.

31. (New) A computer readable recording medium encoded with a computer program for transmitting a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least session layer to a client through a network, comprising:

a storing segment for storing management information for managing the media stream in a session description protocol of the session layer of the media stream; and

a transmitting segment for transmitting the session description protocol in which the management information is stored to the client in the session layer of the media stream,

wherein a non-MPEG-4 receiver can use MPEG-4 content information based on the management information stored in the session description protocol.

32. (New) A computer readable recording medium encoded with a computer program for receiving a media stream having a layer structure, with each layer having a protocol that represents a content and format of information contained therein, including at least session layer from a server through a network, comprising:

a receiving segment for receiving a session description protocol in which management information for managing the media stream is stored from the server;

an extracting segment for extracting the management information from the received session description protocol; and

a managing segment for managing the media stream on the basis of the extracted management information,

wherein a non-MPEG-4 receiver can use MPEG-4 content information based on the management information extracted from the received session description protocol.